

L16 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1998:651104 CAPLUS Full-text
 DN 129:317090
 TI Preparation of reinforced polyamide compositions with layered silicates
 IN Kojima, Kazushige; Tamura, Tsuneo; Fujimoto, Koji; Yoshida, Izumi
 PA Unitika Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 10265668	A	19981006	JP 1997-71153	19970325
PRAI	JP 1997-71153		19970325		

AB The compns. are prepared by mixing monomers capable of forming 100 parts polyamides (nylon 6 or its copolymers) with 0.01-20 parts layered silicate salts having cation exchange capacity (C) 50-200 mequiv/100 g in the presence of 0.01-5 mol (per mol of C) C₂10 aminocarboxylic acid amine salt or lactam salt aqueous solns. to polymerize the monomers. The polyamides and the silicates are homogeneously dispersed in mol. level in the compns., and the compns. have high strength, modulus, heat resistance, toughness, and elongation. Thus, ε-caprolactam was mixed with swellable fluoromica mineral prepared by reacting talc with Na fluorosilicate, and the mixture was stirred with an aqueous solution of 12-aminododecanoic acid HCl salt and polymerized. The resulting polyamide composition was molded to give test pieces showing tensile strength 82 MPa, breaking elongation 75%, bending strength 143 MPa, and notched Izod impact strength 60 J/m.

L16 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1974:120587 CAPLUS Full-text
 DN 80:120587
 TI Fungicidal lactam hydrazones
 IN Botta, Arthur
 PA Bayer A.-G.
 SO Ger. Offen., 28 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2235177	A1	19740207	DE 1972-2235177	19720718
	US 3936444	A	19760203	US 1973-377862	19730709
	BE 802447	A1	19740117	BE 1973-133571	19730717
	GB 1398655	A	19750625	GB 1973-33931	19730717
	FR 2193016	A1	19740215	FR 1973-26358	19730718
	JP 49043959	A	19740425	JP 1973-80419	19730718
PRAI	DE 1972-2235177	A	19720718		

GI For diagram(s), see printed CA Issue.

AB Twenty-two hydrazones (I; n = 1, 2, 4, or 10; R = e.g. Ph, substituted phenyl, 2-pyridyl, 2-benzimidazolyl) were prepared mainly as salts by reaction of the lactim ethers II (R1 = alkyl or aryl) with RNHNH2 in the presence of catalytic amts. of an acid, e.g. HCl. I were used as seed disinfectants for barley.

L16 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1974:108405 CAPLUS Full-text
 DN 80:108405
 TI Fungicidal lactam hydrazones
 IN Frohberger, Paul E.; Botta, Arthur
 PA Bayer A.-G.
 SO Ger. Offen., 23 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2235113	A1	19740131	DE 1972-2235113	19720718
	US 3881007	A	19750429	US 1973-377861	19730709
	PL 89369	B1	19761130	PL 1973-163990	19730711
	DD 107574	A5	19740812	DD 1973-172304	19730716
	BE 802446	A1	19740117	BE 1973-133570	19730717
	GB 1398654	A	19750625	GB 1973-33930	19730717
	DK 132055	B	19751020	DK 1973-3955	19730717
	CA 1016453	A1	19770830	CA 1973-176666	19730717
	NL 7310011	A	19740122	NL 1973-10011	19730718
	FR 2192768	A1	19740215	FR 1973-26359	19730718
	JP 49042833	A	19740422	JP 1973-80418	19730718
PRAI	DE 1972-2235113	A	19720718		

GI For diagram(s), see printed CA Issue.

AB About 40 lactam hydrazones I (R = H or Me; R1 = e.g. Ph, substituted Ph, 2-pyridyl, or benzothiazolyl, n = 1, 2, 4, or 10) and salts, used as fungicides, were manufactured by treatment of the corresponding lactim Me ethers with NH₂NHR1 in ice-cooled MeOH at 10-20°, passing in HCl(g) at 20°, keeping at 20°, and refluxing.

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(FILE 'HOME' ENTERED AT 20:55:06 ON 09 JUN 2007)

FILE 'REGISTRY' ENTERED AT 20:55:53 ON 09 JUN 2007

L1 1 S SULFUR TRIOXIDE/CN
L2 0 S L1 AND CAPROLACTAM? AND (CYCLOHEXANONE OXIM/CN)
L3 0 S CYCLOHEXANONE OXIME/CN
L4 0 S CYCLOHEXANONEOXIME/CN
E CYCLOHEXANONE (W) OXIM?
L5 2 S E27
L6 347 S CYCLOHEXANON? OXIM?
L7 17 S CYCLOHEXANONE OXIM?/CN
L8 0 S CYCLOHEXANONE OXIME/CN
L9 0 S CYCLOHEXANON OXIME/CN
L10 0 S CYCLOHEXANON OXIM/CN
L11 0 S L1 AND CAPROLACTAM?
L12 2103 S CAPROLACTAM?
L13 0 S L1 AND L12
L14 0 S L12 AND OLEUM
L15 2 S L12 AND SULFURIC?

FILE 'CAPLUS' ENTERED AT 21:04:07 ON 09 JUN 2007

L16 3 S L15

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	8.96	100.52
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

STN INTERNATIONAL LOGOFF AT 21:04:48 ON 09 JUN 2007